

Title (en)
FLEXIBLE COMPUTING

Title (de)
FLEXIBLES RECHENLEISTUNG

Title (fr)
INFORMATIQUE FLEXIBLE

Publication
EP 3910473 A1 20211117 (EN)

Application
EP 21171199 A 20210429

Priority
US 202016874388 A 20200514

Abstract (en)
Embodiments of the present disclosure may provide dynamic and fair assignment techniques for allocating resources on a demand basis. Assignment control may be separated into at least two components: a local component and a global component. Each component may have an active dialog with each other; the dialog may include two aspects: 1) a demand for computing resources, and 2) a total allowed number of computing resources. The global component may allocate resources from a pool of resources to different local components, and the local components in turn may assign their allocated resources to local competing requests. The allocation may also be throttled or limited at various levels.

IPC 8 full level
G06F 9/50 (2006.01)

CPC (source: CN EP US)
G06F 9/4881 (2013.01 - CN); **G06F 9/5022** (2013.01 - CN); **G06F 9/5027** (2013.01 - US); **G06F 9/5038** (2013.01 - CN);
G06F 9/5072 (2013.01 - EP); **G06F 9/5077** (2013.01 - US); **G06F 9/5083** (2013.01 - US); **G06F 9/542** (2013.01 - CN US);
G06F 9/546 (2013.01 - CN); **G06F 9/547** (2013.01 - CN); **G06F 16/245** (2019.01 - CN); **G06F 16/283** (2019.01 - CN);
H04L 67/1001 (2022.05 - US); **H04L 67/1097** (2013.01 - EP); **G06F 2209/484** (2013.01 - CN); **G06F 2209/5011** (2013.01 - EP US);
G06F 2209/508 (2013.01 - EP); **G06F 2209/544** (2013.01 - CN); **G06F 2209/547** (2013.01 - CN); **H04L 67/02** (2013.01 - EP);
H04L 67/561 (2022.05 - EP); **H04L 67/568** (2022.05 - EP)

Citation (search report)
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• [YA] US 2018307539 A1 20181025 - CELOZZI GIUSEPPE [IT], et al
• [Y] US 2017090961 A1 20170330 - WAGNER TIMOTHY ALLEN [US], et al
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 10860381 B1 20201208; CN 113672359 A 20211119; CN 113672359 B 20230530; EP 3910473 A1 20211117; US 11055142 B1 20210706;
US 11513859 B2 20221129; US 11687373 B2 20230627; US 2021357263 A1 20211118; US 2023079405 A1 20230316;
US 2024078135 A1 20240307

DOCDB simple family (application)
US 202016874388 A 20200514; CN 202110485047 A 20210430; EP 21171199 A 20210429; US 202017084861 A 20201030;
US 202117342713 A 20210609; US 202218050608 A 20221028; US 202318140086 A 20230427